

ABSTRACT OF THE DISCLOSURE

[0101]

A continuously variable transmission is disclosed to change an input rotational velocity along a continuous spectrum using an eccentrically positioned cam cooperating with a counterweight assembly to counteract the imbalance generated by the eccentric cam. A plurality of cam followers in contact with the cam actuate crankshafts that drive planetary gears disposed about the crankshaft and cooperate with overrunning clutches. The overrunning clutch with the highest instantaneous velocity drives a sun gear connected to an output shaft. The velocity of the output shaft is governed by the eccentricity of the cam.